

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	38	"5760992"	US-PGPUB; USPAT	OR	ON	2009/11/20 15:05
L7	606	(actuator same (increas\$3 near5 amplitude))	US-PGPUB; USPAT	OR	ON	2009/11/20 15:24
L8	53571	"369".clas.	US-PGPUB; USPAT	OR	ON	2009/11/20 15:24
L11	46	(actuator same (increas\$3 near5 amplitude)) same step\$3	US-PGPUB; USPAT	OR	ON	2009/11/20 15:27
L12	83	(near\$1field) and (air \$1gap\$2)	US-PGPUB; USPAT	OR	ON	2009/11/20 15:34
L14	11	12 and (collid\$4 or collis\$4 or crash or over\$1shoot or overshoot)	US-PGPUB; USPAT	OR	ON	2009/11/20 15:35
L15	7140	(DOF or degree\$1of \$1freedom)	US-PGPUB; USPAT	OR	ON	2009/11/20 16:18
L16	406	15 and (servo near4 control)	US-PGPUB; USPAT	OR	ON	2009/11/20 16:18
L20	3269	15 same (track\$3 or focus\$3)	US-PGPUB; USPAT	OR	ON	2009/11/20 16:19
L21	71	20 and (servo near4 control)	US-PGPUB; USPAT	OR	ON	2009/11/20 16:20
L22	21	21 and (reference near4 generat\$3)	US-PGPUB; USPAT	OR	ON	2009/11/20 16:20
S1	1	10/599862	US-PGPUB; USPAT	OR	ON	2009/05/07 18:14

S2	9	((JUIL) near2 (LEE)). INV.	US- PGPUB; USPAT	OR	ON	2009/05/07 18:14
S3	18	((FERRY) near2 (ZIJP)).INV.	US- PGPUB; USPAT	OR	ON	2009/05/07 18:14
S4	5	10/415103	US- PGPUB; USPAT	OR	ON	2009/05/07 18:14
S5	782	"369/100".ccls.	US- PGPUB; USPAT	OR	ON	2009/05/07 18:26
S6	7	S5 and "overshoot"	US- PGPUB; USPAT	OR	ON	2009/05/07 18:26
S7	50587	(optical near5 (pickup or controller))	US- PGPUB; USPAT	OR	ON	2009/05/07 18:26
S8	699	S7 and "overshoot"	US- PGPUB; USPAT	OR	ON	2009/05/07 18:27
S9	23	S8 and "pull-in"	US- PGPUB; USPAT	OR	ON	2009/05/07 18:27
S10	4	S9 and (periodic or sinusoidal)	US- PGPUB; USPAT	OR	ON	2009/05/07 18:29
S20	96945	(focus or servo) near5 control\$3	US- PGPUB; USPAT	OR	ON	2009/05/07 19:02
S21	491	S20 same ((sinusoidal or periodic\$3) near3 signal)	US- PGPUB; USPAT	OR	ON	2009/05/07 19:04
S22	72	S21 and ramp	US- PGPUB; USPAT	OR	ON	2009/05/07 19:04
S23	42	S22 and ("low- pass")	US- PGPUB; USPAT	OR	ON	2009/05/07 19:04
S24	29	S23 and ("overshoot" or "over-shoot")	US- PGPUB; USPAT	OR	ON	2009/05/07 19:05
S25	1	(US-20040013077- \$).did.	US-PGPUB	OR	ON	2009/05/08 13:18

S29	1	S25 and ((servo or control\$3 or error) near3 signal)	US-PGPUB; USPAT	OR	ON	2009/05/08 13:22
S33	10978	((focus or servo or control\$3 or error) near3 signal) with (periodic\$3 or sinusoid\$3)	US-PGPUB; USPAT	OR	ON	2009/05/08 15:17
S36	1672	S33 and (optical near5 (pickup or device or medium or apparatus))	US-PGPUB; USPAT	OR	ON	2009/05/08 15:19
S37	89	S36 and (signal near5 (increas\$3 near5 amplitude))	US-PGPUB; USPAT	OR	ON	2009/05/08 15:19
S38	782	"369/100".ccls.	US-PGPUB; USPAT	OR	ON	2009/05/11 08:22
S39	21	S38 and (increas\$4 near4 amplitude)	US-PGPUB; USPAT	OR	ON	2009/05/11 08:22
S41	5	S38 and ((increas\$4 near4 amplitude) same (control\$4 or stabil\$4))	US-PGPUB; USPAT	OR	ON	2009/05/11 08:24
S42	344	((increas\$4 near4 amplitude) same ((control\$4 or stabil\$4) and sinusoidal))	US-PGPUB; USPAT	OR	ON	2009/05/11 08:26
S43	50587	(optical near5 (pickup or controller))	US-PGPUB; USPAT	OR	ON	2009/05/11 08:26
S44	3	S42 and S43	US-PGPUB; USPAT	OR	ON	2009/05/11 08:26
S45	37040	(step near4 movement)	US-PGPUB; USPAT	OR	ON	2009/05/11 08:28
S46	1012	S45 and S43	US-PGPUB; USPAT	OR	ON	2009/05/11 08:29
S48	11589	((increas\$4 near4 amplitude) same ((control\$4 or stabil\$4)))	US-PGPUB; USPAT	OR	ON	2009/05/11 08:29

S49	9	S46 and S48	US-PGPUB; USPAT	OR	ON	2009/05/11 08:29
S54	1	10/599862	US-PGPUB; USPAT	OR	ON	2009/05/11 08:41
S57	4	S42 and ("low-pass" or "low pass") with square)	US-PGPUB; USPAT	OR	ON	2009/05/11 08:42
S58	1	S54 and ("hand-over")	US-PGPUB; USPAT	OR	ON	2009/05/11 09:01
S59	1	S54 and ("closed-loop" or "closed loop")	US-PGPUB; USPAT	OR	ON	2009/05/11 09:13
S60	53493	"369".clas.	US-PGPUB; USPAT	OR	OFF	2009/11/10 16:05
S61	9738	(near\$1field)	US-PGPUB; USPAT	OR	OFF	2009/11/10 16:06
S62	19136	("near" adj field)	US-PGPUB; USPAT	OR	OFF	2009/11/10 16:06
S63	1153	S60 and (S61 or S62)	US-PGPUB; USPAT	OR	OFF	2009/11/10 16:06
S64	160	S63 and (air near gap)	US-PGPUB; USPAT	OR	OFF	2009/11/10 16:06
S65	17	S64 and (velocity same lens)	US-PGPUB; USPAT	OR	OFF	2009/11/10 16:07
S66	8	S65 and (control\$4 near5 gap)	US-PGPUB; USPAT	OR	OFF	2009/11/10 16:08
S67	1	(US-20040013077- \$).did.	US-PGPUB	OR	OFF	2009/11/10 16:11
S68	5	10/714866	US-PGPUB; USPAT	OR	ON	2009/11/20 14:38
S69	9791	near\$1field	US-PGPUB; USPAT	OR	ON	2009/11/20 14:47

S70	53571	"369".clas.	US- PGPUB; USPAT	OR	ON	2009/11/20 14:47
S72	21	(near\$1field) and (air \$1gap) and (increas \$3 near5 (movement or signal or approach or velocity))	US- PGPUB; USPAT	OR	ON	2009/11/20 14:48

**11/ 20/ 2009 4:53:07 PM****C:\ Documents and Settings\ nlee\ My Documents\ EAST\ Workspaces\ 10599862.wsp**